

LIST OF CLAIMS

The list of claims provided below replaces all prior versions and lists of claims in the application. Claims 1-15 are pending.

Please amend the claims as follows.

5 1.(currently amended): A method for an email server to reduce the unintended duplication of messages forwarded to an email recipient, comprising:

 forming a first composite message comprising a first email message sent by a client to the email server;

 computing and storing a first representative value in the email server for said first
10 composite message when the email server does not receive a confirmation from a client in response to a receipt message sent by the email server, the receipt message representing an acknowledgement for the client that the email server received the message in full;

 forming, after said first composite message, a second composite message comprising a second email message;

15 computing a second representative value for said second composite message;
 comparing said first and second representative values;

 forwarding said second email message to an email recipient only if the comparison of said first and second representative values do not indicate duplication;
and

20 discarding at least one stored representative value from the email server based on at least one predetermined criterion.

 2. (original): The method of claim 1, wherein said first and second representative values are hash values.

25

 3.(original): The method of claim 1, wherein said first composite message is formed prior to receiving said second email message.

 4. (previously presented): The method of claim 1, wherein the at least one stored
30 representative value is discarded in a predetermined time after it is created.

5. (previously presented): The method of claim 1, wherein at least one stored representative value is discarded when the list of stored representative values grows to a predetermined size.

5 6. (currently amended): A computer-readable storage medium having software code stored thereon, the code comprising:

code to form a first composite message comprising a first email message sent by a client to ~~a~~ an email server;

code to compute and store a first representative value in the email server for
10 said first composite message when the email server does not receive a confirmation from a client in response to a receipt message sent by the email server, the receipt message representing an acknowledgement for the client that the email server received the message in full;

code to form, after said first composite message, a second composite message
15 comprising a second email message sent by the client to the email server;

code to compute a second representative value for said second composite message;

code to compare said first and second representative values;

code to forward said second email message to an email recipient only if the
20 comparison of said first and second representative values do not indicate duplication; and

code to discard at least one stored representative value from the server based on at least one predetermined criterion.

7. (original): The computer-readable storage medium of claim 6, wherein the
25 code to compute said first and second representative values comprises code to compute hash values.

8. (original): The computer-readable storage medium of claim 6, wherein the
code to compute said representative values comprises code to form said first
30 composite message prior to receiving said second email message.

9. (previously presented): The computer-readable storage medium of claim 6, wherein the code to discard at least one stored representative value comprises code to discard such value in a predetermined time after it is created.

5 10. (previously presented): The computer-readable storage medium of claim 6, wherein the code to discard at least one stored representative value comprises code to discard such value when the list of stored values grows to a predetermined size.

10 11. (previously presented): An email server platform having a program memory associated therewith, the program memory comprising software code configured to:

 form a first composite message comprising a first email message;
 compute and store a first representative value in the server for said first composite message when the email server does not receive a confirmation from a
15 client in response to a receipt message sent by the email server, the receipt message representing an acknowledgement for the client that the email server received the message in full;
 form, after said first composite message, a second composite message comprising a second email message;
20 compute a second representative value for said second composite message;
 compare said first and second representative values;
 forward said second email message to an email recipient only if the comparison of said first and second representative values do not indicate duplication; and
 discard at least one stored representative value in the server based on at least one
25 predetermined criterion.

12. (original): The server of claim 11, wherein the code to compute said first and second representative values comprises code to compute hash values.

30 13. (original): The server of claim 11, wherein the code to compute said representative values comprises code to form said first composite message prior to receiving said second email message.

14. (previously presented): The server of claim 11, wherein at least one stored representative value is discarded in a predetermined time after it is created.

5 15. (previously presented): The server of claim 11, wherein at least one stored representative value is discarded when the list of stored representative values grows to a predetermined size.

16.-18. (cancelled):

10